

REPLACEMENT PARAGRAPH 0028 AS AMENDED SEPTEMBER 9, 2004

[0028] The pH of the water in tank 1 is continually monitored and automatically controlled so that [it] the pH is in the range of 6.5 to 7.5. For instance, if pH sensor 14, in tank 1, indicates a pH higher than 7.5, the monitor conveys a signal to turn on pump 2 and open valve 15, thereby entraining an amount of carbon dioxide via injector 3 (or other acidic material, such as sulfuric acid) that is sufficient to lower the pH to within the range of 6.5 - 7.5 (such as 7.0). Then, the sensor signals pump 2 to turn off and valve 15 to close. Conversely, if the pH of the water in tank 1 falls below 6.5, a pH sensor activates addition of alkaline material such as a sodium hydroxide solution until the pH rises to a value between 6.5 and 7.5, and then closes the valve and discontinues addition of the alkaline material.

REPLACEMENT PARAGRAPH 0056 AS AMENDED SEPTEMBER 9, 2004

[0056] Ozone is unstable and consequently a certain portion of the ozone is naturally destroyed before ~~getting~~ coming into contact with the surface to be sanitized, which doesn't occur in the proposed system. Consequently, the proposed system has a higher ozone utilization rate.